

# Matthew Ruiz

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Creative and self-driven electrical engineering student that enjoys utilizing several aspects of the technology sector including programming, microcontrollers and practical application of circuit design. Other interests include cinematography and playing the trumpet. Able to apply unique technical skillset in unexpected environments, such as in work at AMC as a Supervisor. Disciplined and strong leader with excellent decision making ability and work ethic. Participated in numerous activities, including Boy Scouts, that have molded excellent character and independence.

## EXPERIENCE:

### **American Multi Cinema (AMC), Fullerton: *Supervisor, 2021-present***

- I have been given positions of increasing responsibility, including crew, trainer, and crew leader, and was promoted to Supervisor at the age of nineteen.
- I have a strong work ethic, possess excellent leadership skills, and can communicate well with others.
- Implemented improvements to theater, including a self-designed RFID system for restroom cleanliness as well as developed a VBA program within excel to streamline shift assignments.
- My duties as a supervisor include:
  - Managing operations of the entire theater.
  - Managing crew of 10-15 associates, ensuring smooth operation of concession, cleaning, and guest services.
  - Coaching and training associates on skills ranging from guest connection to sales techniques.
  - Effectively completing assigned tasks and paperwork by the required deadline.

### **ID Tech, Online: *Instructor, 2021***

- I worked with ID Tech as an online instructor for their 2021 summer camps.
- My responsibilities included working with children, helping them learn new skills, and maintaining a fun and stable working environment for the class.
- I planned and created a one week course that followed the requirements set by my employer.
- I maintained a respectable, professional image for both the kids and the parents, while still being approachable and fun.
- My leadership and teaching skills were further improved while employed with ID Tech.

### **Molding Musicians, Cypress: *Teacher, 2018-2021***

- I joined Molding Musicians my sophomore year of high school and continued through my senior year.
- I learned to communicate well with young kids and taught them how to read sheet music and play the trumpet.

### **Aimless Works, Cypress: *Owner/Director, 2018-present***

- I created my own freelance film company that provides quality films for weddings, birthdays, and other events.
- I employ excellent communication skills to direct my crew well and communicate with my clients to ensure they receive the level of service they expect.
- I have a strong, self-driven work ethic that allowed my business to thrive in the past.
- Business currently on hiatus as I pursue my EE degree.

## EDUCATION:

Cypress High School, Cypress, CA - Diploma earned 2021

Fullerton/Cypress Junior College, Cypress and Fullerton, CA - working towards an Electrical Engineering degree. Currently in the process of applying to a four-year university to complete the degree.

## Hobbies, Interests, and Personal Projects

### Haunted House Control Systems: 2017-present

- Designed and built large-scale haunted attractions integrating Arduino, Esp32, Python, electrical and pneumatic systems.
- Created a modular control framework for synchronized lighting, audio, and animatronics.
- Created an Esp-32 system that allows for wireless motion sensors and buttons that communicate in real-time with the python program.
- Experience in python creating multithreaded systems for live monitoring, synchronous control, and automation sequencing.
- Gained valuable practical experience with microcontrollers, sensor integration, circuit design, and system design.



### Auto Assignment Sheet Maker: AMC Theatres

- Created VBA-powered Excel program that automatically generates shift assignments for all departments.
- Integrated staffing rules, time constraints, and improved formatting to quickly create an accurate schedule for the team.
- Significantly reduced manual scheduling time and freed up management workload.

### Inventory Management System/Self Hosted Home Server: 2024-present

- Developed web based inventory and QR code management system using Python backend and HTML/CSS frontend. Currently a WIP project.
- Hosted on a self managed home server using Caddy reverse proxy and custom domain.

### Technical Skills Summary

- **Programming:** Python, C++, VBA. Experienced in reading and debugging code to deliver functional, real world systems.
- **Hardware:** Arduino, ESP32, soldering, circuit design, pneumatics.
- **Software:** Fluent in all basic software editors (Word, Powerpoint, etc), Excel, Microsoft VS and VS Code, Adobe Suite (Premiere Pro, After Effects, Audition, Photoshop, Lightroom), AutoCAD (limited)
- **Miscellaneous:** Audio/Video integration, server hosting and management, photography and videography.